

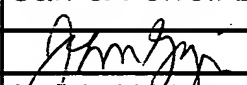
PTO/SB/21 (02-04)

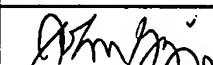
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<b>TRANSMITTAL FORM</b>  (to be used for all correspondence after initial filing)	Application Number	10/690,923	
	Filing Date	October 21, 2003	
	First Named Inventor	Youngwoo Kwon	
	Art Unit	2817	
	Examiner Name	Unknown	
Total Number of Pages in This Submission	9	Attorney Docket Number	PA2591US

ENCLOSURES (Check all that apply)		
<input type="checkbox"/> Fee Transmittal Form	<input type="checkbox"/> Drawing(s)	<input type="checkbox"/> After Allowance communication to Technology Center (TC)
<input type="checkbox"/> Fee Attached	<input type="checkbox"/> Licensing-related Papers	<input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences
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<input type="checkbox"/> After Final	<input type="checkbox"/> Petition to Convert to a Provisional Application	<input type="checkbox"/> Proprietary Information
<input type="checkbox"/> Affidavits/declaration(s)	<input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address	<input type="checkbox"/> Status Letter
<input type="checkbox"/> Extension of Time Request	<input type="checkbox"/> Terminal Disclaimer	<input type="checkbox"/> Other Enclosure(s) (please identify below):
<input type="checkbox"/> Express Abandonment Request	<input type="checkbox"/> Request for Refund	(1) Confirmation Postcard;
<input checked="" type="checkbox"/> Information Disclosure Statement	<input type="checkbox"/> CD, Number of CD(s) _____	(2) PTO-SB-08 (x2);
<input type="checkbox"/> Certified Copy of Priority Document(s)	Remarks  Total page number does not include postcard or cited references.	(3) 5 Cited References;
<input type="checkbox"/> Response to Missing Parts/Incomplete Application		(4) Duplicate of Supplemental IDS
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SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT	
Firm or Individual name	Carr & Ferrell LLP Cust. No. 22830
Signature	 Reg. No. 51,755
Date	April 8, 2004

CERTIFICATE OF TRANSMISSION/MAILING	
I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below.	
Typed or printed name	John C. Grieger Reg. No. 51,755
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IN THE  
UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANT(S): Youngwoo Kwon et al.  
SERIAL NO.: 10/690,923  
FILED: October 21, 2003  
TITLE: High Linearity Doherty Communication Amplifier with Bias Control  
EXAMINER: Unknown  
GROUP ART UNIT: 2817  
ATTY.DKT.NO.: PA2591US

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COMMISSIONER FOR PATENTS  
P.O. BOX 1450  
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**Under 37 C.F.R. §§ 1.56, and 1.97-1.98**

SIR:

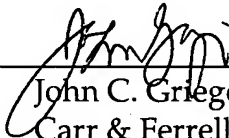
Pursuant to the provisions of 37 C.F.R. §§ 1.56 and 1.97-98 of the Rules of Practice in Patent Cases, enclosed herewith is form PTO-SB-08 listing several references. Copies of the cited nonpatent literature are enclosed. The Examiner is requested to make these references of official record in the application. The references cited may be material to examination of the application and are submitted in compliance with Applicant(s)'s duty of disclosure as defined by 37 C.F.R. § 1.56.

No representation is made or intended as to the completeness of this list, nor is the inclusion of any reference on this list an admission that it is prior art or pertinent to this application.

Applicants believe no fee is due with this submission. If a fee is due, however, the Commissioner is hereby authorized to charge any necessary fee to Account Number 06-0600. A copy of this statement is submitted in duplicate for this purpose.

Respectfully submitted,  
Youngwoo Kwon et al.

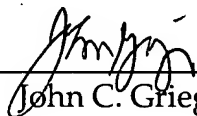
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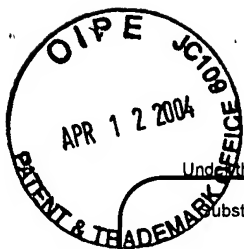
By:   
John C. Grieger, Reg. No. 51,755  
Carr & Ferrell LLP  
2200 Geng Road  
Palo Alto, CA 94303  
TEL: (650) 812-3400  
FAX: (650) 812-3444

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Sheet

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2

**Complete if Known**

Application Number	10/690,923
Filing Date	October 21, 2003
First Named Inventor	Youngwoo Kwon
Art Unit	2817
Examiner Name	Unknown
Attorney Docket Number	PA2591US

**U. S. PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)			
		US- 2,210,028	08-06-1940	Doherty	
		US- 4,335,363	06-15-1982	Bowers	
		US- 5,568,086	10-22-1996	Schuss et al.	
		US- 5,786,727	07-28-1998	Sigmon	
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**FOREIGN PATENT DOCUMENTS**

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		Country Code <sup>3</sup> Number <sup>4</sup> Kind Code <sup>5</sup> (if known)				

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Application Number 10/690,923

Filing Date October 21, 2003

First Named Inventor Youngwoo Kwon

Art Unit 2817

Examiner Name Unknown

Attorney Docket Number PA2591US

**NON PATENT LITERATURE DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
		RAAB, F.H., "Efficiency of Doherty RF Power-Amplifier Systems," IEEE Transactions On Broadcasting, September 1987, pp. 77-83, Vol. BC-33.	
		IWAMOTO, M., et al., "An Extended Doherty Amplifier with High Efficiency Over a Wide Power Range," IEEE Transactions On Microwave Theory and Techniques, December 2001, pp. 2472-2479, Vol. 49, No. 12.	
		ZHAO, Y., et al., "Doherty Amplifier with DSP Control to Improve Performance in CDMA Operation," 2003 IEEE MTT-S Digest, 2003, pp. 687-690, IEEE.	
		LEES, J., et al. "Single-Tone Optimisation of an Adaptive-Bias Doherty Structure," 2003 IEEE MTT-S Digest, 2003, pp. 2213-2216, IEEE.	
		BAE, S., et al., "Bias-Switching Quasi-Doherty-Type Amplifier for CDMA Handset Applications," 2003 IEEE MTT-S Digest, 2003, pp. 137-140, IEEE.	

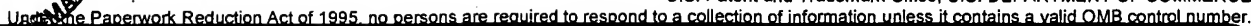
Examiner Signature		Date Considered	
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<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached.

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Art Unit	2817
Examiner Name	Unknown
Attorney Docket Number	PA2591US

*(Use as many sheets as necessary)*

Sheet	1	of	2
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FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>3</sup> Number <sup>4</sup> Kind Code <sup>5</sup> (if known)				

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## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet

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Application Number	10/690,923
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First Named Inventor	Youngwoo Kwon
Art Unit	2817
Examiner Name	Unknown
Attorney Docket Number	PA2591US

### NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
		RAAB, F.H., "Efficiency of Doherty RF Power-Amplifier Systems," IEEE Transactions On Broadcasting, September 1987, pp. 77-83, Vol. BC-33.	
		IWAMOTO, M., et al., "An Extended Doherty Amplifier with High Efficiency Over a Wide Power Range," IEEE Transactions On Microwave Theory and Techniques, December 2001, pp. 2472-2479, Vol. 49, No. 12.	
		ZHAO, Y., et al., "Doherty Amplifier with DSP Control to Improve Performance in CDMA Operation," 2003 IEEE MTT-S Digest, 2003, pp. 687-690, IEEE.	
		LEES, J., et al. "Single-Tone Optimisation of an Adaptive-Bias Doherty Structure," 2003 IEEE MTT-S Digest, 2003, pp. 2213-2216, IEEE.	
		BAE, S., et al., "Bias-Switching Quasi-Doherty-Type Amplifier for CDMA Handset Applications," 2003 IEEE MTT-S Digest, 2003, pp. 137-140, IEEE.	

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